

ABSTRACT

A six-forward-speed, one-reverse-speed automatic speed change apparatus comprises an input shaft 100, intermediate shaft 200 and output shaft 300 arranged in parallel, the
5 input shaft 100 being coupled to the intermediate shaft 200 by counter gear sets 1, 2, 3 providing first, second and third drive paths, the input shaft 100 being provided with clutches C2, C3 for engaging or disengaging the second and third drive paths and with a brake B2, the intermediate
10 shaft 200 being provided with a clutch C1, a brake B1 and a one-way clutch 232 for engaging or disengaging or braking the first or third drive path and with planetary gear sets 20, 30, the first drive path being coupled to a ring gear 23, the second drive path being coupled to sun gears 21, 31,
15 the third drive path being coupled to a planetary carrier 34, a planetary carrier 24 and a ring gear 33 being connected to the intermediate shaft, the intermediate shaft being coupled to the output shaft by a fourth counter gear set.